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CALPOST Version 6.221      Level 080724  
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Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:

Cleco, Brame Energy Center, NESBITT  
CANEY CREEK WILDERNESS AREA CALPOST 2001  
VISIBILITY METHOD 8

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INPUT GROUP: 1 -- General run control parameters

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Option to run all periods found  
in the met. file(s) (METRUN)      Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below  
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default !ISYR = 2001 !  
Month (ISMO) -- No default !ISMO = 1 !  
Day (ISDY) -- No default !ISDY = 1 !  
Starting time: Hour (ISHR) -- No default !ISHR = 0 !  
Minute (ISMIN) -- No default !ISMIN = 0 !  
Second (ISSEC) -- No default !ISSEC = 0 !

Ending date: Year (IEYR) -- No default !IEYR = 2001 !  
Month (IEMO) -- No default !IEMO = 12 !  
Day (IEDY) -- No default !IEDY = 31 !  
Ending time: Hour (IEHR) -- No default !IEHR = 0 !  
Minute (IEMIN) -- No default !IEMIN = 0 !  
Second (IESEC) -- No default !IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.  
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions  
do not, and the zone must be specified here. The zone is the  
number of hours that must be ADDED to the time to obtain UTC (or GMT).  
Identify the Base Time Zone for the CALPUFF simulation

(BTZONE) -- No default !BTZONE = 6.0 !

Process every period of data?  
(NREP) -- Default: 1 !NREP = 1 !  
(1 = every period processed,  
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

## Species & Concentration/Deposition Information

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Species to process (ASPEC) -- No default ! ASPEC = VISIB !  
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !  
'1' for CALPUFF concentrations,  
'-1' for dry deposition fluxes,  
'-2' for wet deposition fluxes,  
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !  
 $X(\text{new}) = X(\text{old}) * A + B$       A = 0.0 ! B = 0.0 !  
(NOT applied if A = B = 0.0)      B = 0.0

Add Hourly Background Concentrations/Fluxes?  
(LBACK) -- Default: F ! LBACK = F !

Source of NO2 when ASPEC=NO2 (above) or LVNO2=T (Group 2) may be from CALPUFF NO2 concentrations OR from a fraction of CALPUFF NOx concentrations. Specify the fraction of NOx that is treated as NO2 either as a constant or as a table of fractions that depend on the magnitude of the NOx concentration:

(NO2CALC) -- Default: 1 ! NO2CALC = 1 !  
0 = Use NO2 directly (NO2 must be in file)  
1 = Specify a single NO2/NOx ratio (RNO2NOX)  
2 = Specify a table NO2/NOx ratios (TNO2NOX)  
(NOTE: Scaling Factors must NOT be used with NO2CALC=2)

Single NO2/NOx ratio (0.0 to 1.0) for treating some or all NOx as NO2, where [NO2] = [NOX] \* RNO2NOX  
(used only if NO2CALC = 1)  
(RNO2NOX) -- Default: 1.0 ! RNO2NOX = 1.0 !

Table of NO2/NOx ratios that vary with NOx concentration.  
Provide 14 NOx concentrations (ug/m\*\*3) and the corresponding NO2/NOx ratio, with NOx increasing in magnitude. The ratio used for a particular NOx concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NOx concentration (the first) is used for all NOx concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NOx concentration (the last) is used for all NOx concentrations greater than the largest tabulated value.  
(used only if NO2CALC = 2)

NOx concentration(ug / m3)  
(CNOX) -- No default  
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,  
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO2/NOx ratio for each NOx concentration:  
(TNO2NOX) -- No default

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! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,  
    1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !
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#### Source information

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Option to process source contributions:

- 0 = Process only total reported contributions
  - 1 = Sum all individual source contributions and process
  - 2 = Run in TRACEBACK mode to identify source contributions at a SINGLE receptor
- (MSOURCE) -- Default: 0 ! MSOURCE = 0 !

#### Plume Model Output Processing Options

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Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
  - 1 = Apply CALM processing procedures to multiple-hour averages
- (MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

#### Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
- (MET1FMT) -- Default: 1 ! MET1FMT = 1 !

#### Receptor information

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Gridded receptors processed? (LG) -- Default: F ! LG = F !

Discrete receptors processed? (LD) -- Default: F ! LD = T !

CTSG Complex terrain receptors processed?

(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?

(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;

OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

0 = discrete receptor not processed

1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23\*1, 15\*0, 12\*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1  
! NDRECP = 80\*1, 40\*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !  
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !  
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !  
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !  
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process  
(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

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Subgroup (1a) -- Specific gridded receptors included/excluded

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Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed  
1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:  
23\*1, 15\*0, 12\*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

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INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

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Test visibility options specified to see  
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8\_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration  
are specific to the Class I area being evaluated. These values can  
be checked within the CALPOST user interface when the name of the  
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and  
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8\_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVS04) -- Default: T ! LVS04 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVMPC) -- Default: T ! LVMPC = T !

Include FINE PARTICLES? (LVMF) -- Default: T ! LVMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO<sub>2</sub> absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file  
COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !  
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m\*\*3)

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MODELED particulate species:

PM COARSE (EEPNC) -- Default: 0.6 ! EEPNC = 0.6 !  
PM FINE (EEPNF) -- Default: 1.0 ! EEPNF = 1 !

BACKGROUND particulate species:

PM COARSE (EPMCBK) -- Default: 0.6 ! EPMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !  
AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !  
ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !  
SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !  
ELEMENTAL CARBON (EEECC) -- Default: 10. ! EEECC = 10 !  
NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)  
AMMONIUM SULFATE (EESO4L) Set Internally (large)  
AMMONIUM NITRATE (EENO3S) Set Internally (small)  
AMMONIUM NITRATE (EENO3L) Set Internally (large)  
ORGANIC CARBON (EEOCS) Set Internally (small)  
ORGANIC CARBON (EEOCL) Set Internally (large)  
SEA SALT (EESALT) Set Internally

Background Extinction Computation

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Method used for the 24h-average of percent change of light extinction:  
Hourly ratio of source light extinction / background light extinction  
is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !  
FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
  - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - Receptor-hour excluded if RH>RHMAX
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
- Rayleigh extinction value (BEXTRAY) added to measurement
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if RH>RHMAX
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
- FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
- Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - F(RH) factor is capped at F(RHMAX)
  - During observed weather events, compute Bext from visual range if using an observed weather data file, or
  - During prognostic weather events, use Bext from the prognostic weather file
  - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
- Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
  - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
  - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
  - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
  - F(RH) factors are capped at F(RHMAX)
  - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
  - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.

These choices are made using the M8\_MODE selection.

Additional inputs used for MVISBK = 1:

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Background light extinction (1/Mm)  
 (BEXTBK) -- No default ! BEXTBK = 12 !  
 Percentage of particles affected by relative humidity  
 (RHFRC) -- No default ! RHFRC = 10 !

Additional inputs used for MVISBK = 6,8:

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Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).  
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,  
3.2, 3.2, 3.0, 3.0,  
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

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The weather data file (DATSAV abbreviated space-delimited) that  
is identified as VSRN.DAT may contain data for more than one  
station. Identify the stations that are needed in the order in  
which they will be used to obtain valid weather and visual range.  
The first station that contains valid data for an hour will be  
used. Enter up to MXWSTA (set in PARAMS file) integer station IDs  
of up to 6 digits each as variable IDWSTA, and enter the corresponding  
time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used  
in place of the observed weather file. Identify this as the VSRN.DAT  
file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The  
DATSAV abbreviated space-delimited data usually are prepared  
with UTC time rather than local time, so TZONE is typically  
set to zero.

(IDWSTA) -- No default \* IDWSTA = 000000 \*  
(TZONE) -- No default \* TZONE = 0. \*

Additional inputs used for MVISBK = 2,3,6,7,8:

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Background extinction coefficients are computed from monthly  
CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),  
coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and  
elemental carbon (BKEC). Month 1 is January.  
(ug/m\*\*3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23,  
0.23, 0.23, 0.23 !  
(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10,  
0.10, 0.10, 0.10 !  
(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,  
3.00, 3.00, 3.00,  
3.00, 3.00, 3.00 !  
(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,  
1.80, 1.80, 1.80,  
1.80, 1.80, 1.80 !  
(BKSOIL) -- No default ! BKSOIL= 0.50, 0.50, 0.50, 0.50,  
0.50, 0.50, 0.50,  
0.50, 0.50, 0.50 !  
(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02,  
0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8\_MODE) -- Default: 5 ! M8\_MODE= 5 !  
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations.  
(VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations.  
(VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations.  
(VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations.  
(VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January.  
(ug/m\*\*3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,  
0.03, 0.03, 0.03, 0.03,  
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed).  
Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA).  
Month 1 is January. (Used if M8\_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes  
(RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,  
3.66, 3.71, 3.49, 3.51,  
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes  
(RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,  
2.68, 2.71, 2.59, 2.60,  
2.71, 2.69, 2.67, 2.79 !

Sea salt particles  
(RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,  
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)  
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

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INPUT GROUP: 3 -- Output options  
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Documentation

Documentation records contained in the header of the  
CALPUFF output file may be written to the list file.

Print documentation image?  
(LDOC) -- Default: F ! LDOC = F !

Output Units

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Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !  
for for  
Concentration Deposition  
1 = g/m\*\*3 g/m\*\*2/s  
2 = mg/m\*\*3 mg/m\*\*2/s  
3 = ug/m\*\*3 ug/m\*\*2/s  
4 = ng/m\*\*3 ng/m\*\*2/s  
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

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1-pd averages (L1PD) -- Default: T ! L1PD = F !  
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds  
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !  
(NAVGM) -- Default: 0 ! NAVGM = 0 !  
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

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1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB.  
In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.  
[List file or Plot/Analysis File]

2) Top 50 table for each averaging time selected  
[List file only]  
(LT50) -- Default: T ! LT50 = F !

3) Top 'N' table for each averaging time selected  
[List file or Plot file]  
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)  
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)  
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !  
1,2,3,4

4) Threshold exceedance counts for each receptor and each averaging time selected  
[List file or Plot file]  
(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0  
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !  
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !  
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !  
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)  
(NDAY) -- Default: 0 ! NDAY = 0 !  
Number of exceedances allowed  
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

## 5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day  
[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]  
(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]  
(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366\*0  
! IECHO = 366\*0 !  
(366 values must be entered)

## Plot output options

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Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...].

In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid.

The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

## Auxiliary Output Files (for subsequent analyses)

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Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?  
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

#### Additional Debug Output

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Output selected information to List file  
for debugging?  
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?  
(Visibility Method 7)  
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

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NOTICE: Starting year in control file sets the  
expected century for the simulation. All  
YY years are converted to YYYY years in  
the range: 1951 2050

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CALPOST Version 6.221      Level 080724  
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```

#### CALPOST Control File Input Summary

---

Replace run data with data in Puff file 1=Y: 1  
Run starting date -- year: 2001  
month: 1  
day: 1  
Julian day: 0  
Time at start of run - hour(0-23): 0  
- minute: 0  
- second: 0

Run ending date -- year: 2001  
month: 12  
day: 31  
Julian day: 0  
Time at end of run - hour(0-23): 0  
- minute: 0  
- second: 0

Base time zone (Group 1): 6.0

Every period of data processed -- NREP = 1

#### Species & Concentration/Deposition Information

Species: VISIB  
Layer of processed data: 1  
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)  
Multiplicative scaling factor: 0.0000E+00  
Additive scaling factor: 0.0000E+00  
Hourly background values used?: F

#### SAMPLER option

Processing method: 0  
0= SAMPLER option not used  
1= Report total modeled impact (list file)  
2= TRACEBACK mode (DAT files)  
3= TRACEBACK mode with sampling factor (DAT files)

#### Source information

Source contribution processing: 0  
0= No source contributions  
1= Contributions are summed  
2= TRACEBACK mode for 1 receptor  
3= Reported TOTAL is processed

#### Receptor information

Gridded receptors processed?: F  
Discrete receptors processed?: T  
CTSG Complex terrain receptors processed?: F

#### Discrete Receptors Processed

1  
1 1

#### Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: CACR

Extinction Computation includes:

SULFATES  
NITRATES  
NO<sub>2</sub> GAS

Fraction CALPUFF NOx used as NO<sub>2</sub> : 1.000

ORGANIC CARBON  
ELEMENTAL CARBON  
COARSE PARTICLES  
FINE PARTICLES  
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC  
fine: PMF

Extinction Efficiency (1/Mm per ug/m\*\*3)

ammonium sulfate S: 2.2000  
ammonium sulfate L: 4.8000  
ammonium nitrate S: 2.4000  
ammonium nitrate L: 5.1000  
organic carbon S: 2.8000  
organic carbon L: 6.1000  
sea salt: 1.7000  
NO<sub>2</sub> gas: 0.1755  
soil: 1.0000  
elemental carbon: 10.0000  
MODELED coarse PM: 0.6000  
MODELED fine PM: 1.0000  
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5  
(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01  
2 .3440E+01  
3 .3140E+01  
4 .3240E+01  
5 .3660E+01  
6 .3710E+01  
7 .3490E+01  
8 .3510E+01  
9 .3730E+01  
10 .3720E+01  
11 .3680E+01  
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01  
2 .2530E+01  
3 .2370E+01  
4 .2430E+01

5 .2680E+01  
6 .2710E+01  
7 .2590E+01  
8 .2600E+01  
9 .2710E+01  
10 .2690E+01  
11 .2670E+01  
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01  
2 .3520E+01  
3 .3310E+01  
4 .3410E+01  
5 .3830E+01  
6 .3880E+01  
7 .3690E+01  
8 .3680E+01  
9 .3820E+01  
10 .3760E+01  
11 .3770E+01  
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m\*\*3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T

User-specified averages: F  
Length of run averages: F

Output components selected

    Top-50: F  
    Top-N values at each receptor: F  
    Exceedance counts at each receptor: F  
    Output selected information for debugging: F  
    Echo tables for selected days: F  
    Time-series for selected days: F  
    Peak value Time-series for selected days: F

Plot file option

    Plot files created: F

MAPSPEC: Species Mapping

    Number of species-levels in file : 9  
    Number of species-levels processed: 10

Input ID	Processing ID	Name
1	1	SO2
2	2	SO4
3	3	NOX
4	4	HNO3
5	5	NO3
6	6	PMC
7	7	PMF
8	8	EC
9	9	SOA

Visibility Species

	Processing ID	Name
sulfate	2	SO4
no2gas	10	NO2
noxgas	3	NOX
nitrate	5	NO3
specpmf	7	PMF
specpmc	6	PMC
orgcarb	9	SOA
lmncarb	8	EC

#### IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, Brame, Nesbitt  
ALM-step1  
Repartitioning of NO3/HNO3

Averaging time for values reported from model:  
1 HOUR

Number of averaging periods in file from model:

Chemical species names for each layer in model:

SO <sub>2</sub>	1
SO <sub>4</sub>	1
NOX	1
HNO <sub>3</sub>	1
NO <sub>3</sub>	1
PMC	1
PMF	1
EC	1
SOA	1

QA Information -- Internal Representation of Data

## **CONTENTS OF CONTROL FILE -----**

```

navg,ntop      = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR    = F F T
LNAVG, LRUNL   = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPKAK = F F F
THRESH1        = -1.00000000
THRESH3        = -1.00000000
THRESH24       = -1.00000000
THRESHN        = -1.00000000
PLT, LGRD      = F F
MDVIS          = 1
LDEBUG          = F
LCTSG          = F

```

#### CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

```

model : CALPUFF 5.8.4 130731
msyr,mjsday = 2000 366
mshr,mssec = 23 0
nsecdt (period) = 3600
xbtz = 6.00000000
mnper,nszout,mavgpd = 8752 9 1
xorigkm,yorigkm,nsssta = -951.547058 -1646.63708 0
ielmet,jelmet = 462 376
delx,dely,nz = 4.0000000 4.0000000 1
iastrar,iastop,jastar,jastop = 288 451 117 274
isastr,isastp,jsastr,jsastp = 1 462 1 376
(computed) ngx,ngy = 462 376
meshdn,npts,nareas = 1 1 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

```

#### Discrete Receptors (n,x,y,z):

```

1 270.325867 -617.518921 365.000000
2 271.090393 -617.494019 365.000000
3 271.854797 -617.469116 368.000000
4 268.767273 -616.646362 411.000000
5 269.531677 -616.621704 462.000000
6 270.295959 -616.597046 431.000000
7 271.060364 -616.572144 518.000000
8 271.824768 -616.547241 487.000000
9 272.589050 -616.522339 396.000000
10 265.680481 -615.822632 518.000000
11 266.444763 -615.798218 523.000000
12 267.209045 -615.773682 548.000000
13 267.973328 -615.749146 579.000000
14 268.737610 -615.724487 547.000000
15 269.501892 -615.699829 538.000000
16 270.266174 -615.675049 640.000000
17 271.030334 -615.650269 608.000000
18 260.301697 -615.069458 335.000000
19 261.065857 -615.045532 431.000000
20 261.830139 -615.021606 457.000000
21 262.594299 -614.997559 414.000000
22 263.358459 -614.973511 426.000000

```

23 264.122742 -614.949341 426.000000  
24 264.886902 -614.924927 388.000000  
25 265.651062 -614.900635 388.000000  
26 266.415344 -614.876343 365.000000  
27 267.179504 -614.851807 386.000000  
28 267.943665 -614.827271 396.000000  
29 268.707825 -614.802612 426.000000  
30 269.471985 -614.777954 446.000000  
31 270.236267 -614.753174 441.000000  
32 271.000427 -614.728394 457.000000  
33 271.764587 -614.703491 465.000000  
34 272.528748 -614.678589 442.000000  
35 273.293030 -614.653442 426.000000  
36 260.272888 -614.147583 304.000000  
37 261.036926 -614.123657 304.000000  
38 261.801086 -614.099731 319.000000  
39 262.565247 -614.075684 334.000000  
40 263.329407 -614.051636 370.000000  
41 264.093567 -614.027344 405.000000  
42 264.857605 -614.003052 409.000000  
43 265.621765 -613.978760 450.000000  
44 266.385803 -613.954346 518.000000  
45 267.149963 -613.929932 609.000000  
46 267.914124 -613.905396 534.000000  
47 268.678162 -613.880737 517.000000  
48 269.442200 -613.856079 575.000000  
49 270.206360 -613.831299 600.000000  
50 270.970520 -613.806519 609.000000  
51 271.734558 -613.781616 609.000000  
52 272.498596 -613.756714 561.000000  
53 261.008118 -613.201782 335.000000  
54 261.772156 -613.177856 432.000000  
55 262.536194 -613.153809 487.000000  
56 263.300232 -613.129639 499.000000  
57 264.064270 -613.105469 514.000000  
58 264.828308 -613.081177 442.000000  
59 265.592346 -613.056885 439.000000  
60 266.356384 -613.032471 395.000000  
61 267.120422 -613.007935 400.000000  
62 267.884460 -612.983521 426.000000  
63 268.648499 -612.958862 487.000000  
64 269.412415 -612.934204 548.000000  
65 270.176453 -612.909424 548.000000  
66 270.940491 -612.884644 548.000000  
67 271.704529 -612.859741 535.000000  
68 261.743225 -612.255981 304.000000  
69 262.507141 -612.231812 334.000000  
70 263.271179 -612.207764 396.000000  
71 264.035095 -612.183594 457.000000  
72 264.799011 -612.159302 457.000000  
73 265.563049 -612.135010 426.000000  
74 266.326965 -612.110596 411.000000  
75 267.090881 -612.086182 406.000000  
76 267.854797 -612.061646 396.000000  
77 268.618713 -612.036987 401.000000  
78 269.382629 -612.012329 397.000000

79 261.714294 -611.334106 322.000000  
80 262.478088 -611.309937 334.000000  
81 777.710144 -1118.01306 0.00000000E+00  
82 779.970764 -1115.93896 0.00000000E+00  
83 780.696716 -1114.93750 0.00000000E+00  
84 781.422424 -1113.93604 0.00000000E+00  
85 785.606995 -1106.06689 0.00000000E+00  
86 789.226868 -1101.05811 0.00000000E+00  
87 789.783264 -1098.19727 0.00000000E+00  
88 791.229431 -1096.19348 1.00000000  
89 791.145813 -1095.26416 1.00000000  
90 791.784729 -1093.33289 1.00000000  
91 791.700989 -1092.40356 1.00000000  
92 792.339539 -1090.47253 1.00000000  
93 792.255920 -1089.54321 1.00000000  
94 792.172058 -1088.61401 1.00000000  
95 792.088196 -1087.68494 1.00000000  
96 792.004456 -1086.75574 0.00000000E+00  
97 791.920715 -1085.82666 0.00000000E+00  
98 791.753235 -1083.96826 0.00000000E+00  
99 792.558533 -1083.89575 1.00000000  
100 792.474670 -1082.96667 1.00000000  
101 791.585754 -1082.11023 0.00000000E+00  
102 792.390930 -1082.03760 1.00000000  
103 791.502014 -1081.18127 0.00000000E+00  
104 792.307068 -1081.10864 1.00000000  
105 791.418152 -1080.25220 1.00000000  
106 791.334412 -1079.32324 1.00000000  
107 790.445862 -1078.46667 0.00000000E+00  
108 791.250549 -1078.39417 1.00000000  
109 790.362244 -1077.53772 0.00000000E+00  
110 791.166931 -1077.46521 1.00000000  
111 790.278625 -1076.60876 0.00000000E+00  
112 790.194885 -1075.67993 0.00000000E+00  
113 790.111267 -1074.75098 1.00000000  
114 789.223206 -1073.89453 0.00000000E+00  
115 789.139709 -1072.96558 0.00000000E+00  
116 788.251770 -1072.10913 0.00000000E+00  
117 788.168274 -1071.18030 1.00000000  
118 787.280823 -1070.32373 0.00000000E+00  
119 786.393372 -1069.46704 0.00000000E+00  
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM<sub>s</sub> (n,x,y):

Control-file POINT Sources : 1  
EMARB-file POINT Sources : 0  
Control-file AREA Sources : 0  
EMARB-file AREA Sources : 0  
Control-file LINE Sources : 0  
EMARB-file LINE Sources : 0  
Control-file VOLUME Sources: 0  
EMARB-file VOLUME Sources : 0

Source Names  
UNIT 1

---

## INPUT FILES

Default Name    Unit No.    File Name and Path

CALPOST.INP	5	CT_NESBITT_01D_CACR.inp
MODEL.DAT	4	pu_nesbitt_01d.flx

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## OUTPUT FILES

Default Name    Unit No.    File Name and Path

CALPOST.LST	8	ct_nesbitt_01d_cacr.lst
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\*\*\*\*\*  
CALPOST Version 6.221      Level 080724  
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## 24HR VISIBILITY

### VISIB BOESNCFG

(1/Mega-m)

## START TIME

## Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2000	366	23	1	270.326 -617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000	0.000	0.000	3.880	2.790	3.930					
2001	1	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900					
2001	2	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900					
2001	3	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900					
2001	4	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	3.850	2.770	3.900					
2001	5	23	9	272.589 -616.522	D	0.202	22.161	22.363	0.91	0.117	0.079	0.001	0.002	0.001	0.003	0.000	3.850	2.770	3.900			
2001	6	23	35	273.293 -614.653	D	0.028	22.161	22.189	0.13	0.016	0.012	0.000	0.000	0.000	0.000	3.850	2.770	3.900				
2001	7	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000								

0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	8 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	9 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	10 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	11 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	12 23	18	260.302	-615.069	D	0.297	22.161	22.458	1.34	0.205	0.080	0.001	0.000				
0.002	0.001	0.002	0.006	3.850	2.770	3.900											
2001	13 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	14 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	15 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	16 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	17 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	18 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	19 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	20 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	21 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	22 23	3	271.855	-617.469	D	0.004	22.161	22.164	0.02	0.003	0.001	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	23 23	2	271.090	-617.494	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	24 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	25 23	9	272.589	-616.522	D	0.093	22.161	22.254	0.42	0.044	0.046	0.000	0.000				
0.001	0.000	0.001	0.000	3.850	2.770	3.900											
2001	26 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	27 23	18	260.302	-615.069	D	0.288	22.161	22.449	1.30	0.200	0.074	0.001	0.000				
0.004	0.001	0.005	0.003	3.850	2.770	3.900											
2001	28 23	67	271.705	-612.860	D	0.043	22.161	22.204	0.19	0.020	0.018	0.000	0.000				
0.001	0.000	0.001	0.002	3.850	2.770	3.900											
2001	29 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	30 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	31 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.850	2.770	3.900											
2001	32 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.440	2.530	3.520											
2001	33 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.440	2.530	3.520											
2001	34 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.440	2.530	3.520											
2001	35 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000				

0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	37	23	35	273.293	-614.653	D	0.002	21.835	21.837	0.01	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	38	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	39	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	40	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	41	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	42	23	1	270.326	-617.519	D	0.124	21.835	21.959	0.57	0.089	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.001	3.440	2.530	3.520														
2001	43	23	18	260.302	-615.069	D	0.935	21.835	22.770	4.28	0.682	0.233	0.002	0.000	0.000	0.000	0.000	0.000	0.000	
0.005	0.001	0.006	0.006	3.440	2.530	3.520														
2001	44	23	35	273.293	-614.653	D	0.360	21.835	22.195	1.65	0.273	0.080	0.001	0.002	0.001	0.001	0.001	0.000	0.000	
0.000	0.000	0.000	0.001	3.440	2.530	3.520														
2001	45	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	46	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	47	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	48	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	49	23	9	272.589	-616.522	D	0.121	21.835	21.956	0.56	0.073	0.045	0.000	0.001	0.000	0.000	0.000	0.000	0.000	
0.001	0.000	0.001	0.000	3.440	2.530	3.520														
2001	50	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	51	23	1	270.326	-617.519	D	0.536	21.835	22.371	2.45	0.369	0.155	0.001	0.004	0.001	0.004	0.001	0.000	0.000	
0.004	0.001	0.004	0.001	3.440	2.530	3.520														
2001	52	23	3	271.855	-617.469	D	0.073	21.835	21.908	0.33	0.050	0.022	0.000	0.000	0.001	0.000	0.001	0.000	0.000	
0.000	0.000	0.001	0.000	3.440	2.530	3.520														
2001	53	23	3	271.855	-617.469	D	0.026	21.835	21.861	0.12	0.021	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	54	23	35	273.293	-614.653	D	0.067	21.835	21.902	0.31	0.024	0.036	0.001	0.002	0.001	0.002	0.003	0.000	0.000	
0.002	0.001	0.002	0.003	3.440	2.530	3.520														
2001	55	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	56	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	57	23	2	271.090	-617.494	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	58	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	59	23	3	271.855	-617.469	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.440	2.530	3.520														
2001	60	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.140	2.370	3.310														
2001	61	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.140	2.370	3.310														
2001	62	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.140	2.370	3.310														
2001	63	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	



0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	92	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	93	23	35	273.293	-614.653	D	0.002	21.680	21.682	0.01	0.002	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	94	23	35	273.293	-614.653	D	0.013	21.680	21.692	0.06	0.009	0.003	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	95	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	96	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	97	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	98	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	99	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	100	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	101	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	102	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	103	23	18	260.302	-615.069	D	0.086	21.680	21.766	0.40	0.052	0.032	0.000			
0.000	0.000	0.000	0.002	3.240	2.430	3.410										
2001	104	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	105	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	106	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	107	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	108	23	9	272.589	-616.522	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	109	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	110	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	111	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	112	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	113	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	114	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	115	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	116	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	117	23	1	270.326	-617.519	D	0.034	21.680	21.714	0.16	0.032	0.001	0.000			
0.000	0.000	0.000	0.000	3.240	2.430	3.410										
2001	118	23	18	260.302	-615.069	D	0.121	21.680	21.801	0.56	0.094	0.025	0.000			
0.001	0.000	0.001	0.000	3.240	2.430	3.410										
2001	119	23	3	271.855	-617.469	D	0.500	21.680	22.179	2.30	0.365	0.122	0.001			

0.004	0.001	0.005	0.000	3.240	2.430	3.410													
2001	120	23	67	271.705	-612.860	D	0.058	21.680	21.738	0.27	0.054	0.002	0.000						
0.001	0.000	0.001	0.000	3.240	2.430	3.410													
2001	121	23	35	273.293	-614.653	D	0.011	22.015	22.026	0.05	0.010	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	122	23	35	273.293	-614.653	D	0.134	22.015	22.150	0.61	0.122	0.007	0.001						
0.002	0.001	0.002	0.000	3.660	2.680	3.830													
2001	123	23	18	260.302	-615.069	D	0.256	22.015	22.271	1.16	0.154	0.091	0.001						
0.004	0.001	0.005	0.001	3.660	2.680	3.830													
2001	124	23	35	273.293	-614.653	D	0.038	22.015	22.054	0.17	0.016	0.021	0.000						
0.001	0.000	0.001	0.000	3.660	2.680	3.830													
2001	125	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	126	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	127	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	128	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	129	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	130	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	131	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	132	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	133	23	3	271.855	-617.469	D	0.001	22.015	22.017	0.00	0.001	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	134	23	3	271.855	-617.469	D	0.026	22.015	22.041	0.12	0.021	0.005	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	135	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	136	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	137	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	138	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	139	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	140	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	141	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	142	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	143	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	144	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	145	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	146	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	147	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						

0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	148	23	3	271.855	-617.469	D	0.046	22.015	22.061	0.21	0.041	0.005	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	149	23	35	273.293	-614.653	D	0.007	22.015	22.023	0.03	0.006	0.001	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	150	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	151	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.660	2.680	3.830													
2001	152	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	153	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	154	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	155	23	35	273.293	-614.653	D	0.766	22.055	22.822	3.47	0.563	0.180	0.002						
0.007	0.002	0.008	0.005	3.710	2.710	3.880													
2001	156	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	157	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	158	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	159	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	160	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	161	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	162	23	3	271.855	-617.469	D	0.328	22.055	22.384	1.49	0.299	0.022	0.001						
0.003	0.001	0.003	0.000	3.710	2.710	3.880													
2001	163	23	35	273.293	-614.653	D	0.242	22.055	22.297	1.10	0.190	0.048	0.000						
0.001	0.000	0.002	0.000	3.710	2.710	3.880													
2001	164	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	166	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	167	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	168	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	169	23	18	260.302	-615.069	D	0.299	22.055	22.354	1.36	0.244	0.049	0.001						
0.002	0.001	0.003	0.000	3.710	2.710	3.880													
2001	170	23	36	260.273	-614.148	D	0.066	22.055	22.122	0.30	0.048	0.017	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	171	23	3	271.855	-617.469	D	0.001	22.055	22.057	0.01	0.001	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	172	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	173	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	174	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000						
0.000	0.000	0.000	0.000	3.710	2.710	3.880													
2001	175	23	18	260.302	-615.069	D	0.012	22.055	22.068	0.06	0.010	0.003	0.000						

0.000	0.000	0.000	0.000	3.710	2.710	3.880															
2001	176	23	18	260.302	-615.069	D	0.491	22.055	22.546	2.23	0.402	0.081	0.001								
0.003	0.001	0.003	0.000	3.710	2.710	3.880															
2001	177	23	35	273.293	-614.653	D	0.504	22.055	22.560	2.29	0.398	0.099	0.001								
0.003	0.001	0.003	0.000	3.710	2.710	3.880															
2001	178	23	35	273.293	-614.653	D	0.021	22.055	22.076	0.09	0.016	0.005	0.000								
0.000	0.000	0.000	0.000	3.710	2.710	3.880															
2001	179	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.710	2.710	3.880															
2001	180	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.710	2.710	3.880															
2001	181	23	3	271.855	-617.469	D	0.012	22.055	22.068	0.06	0.006	0.006	0.000								
0.000	0.000	0.000	0.000	3.710	2.710	3.880															
2001	182	23	3	271.855	-617.469	D	0.178	21.881	22.059	0.81	0.141	0.036	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	183	23	3	271.855	-617.469	D	0.218	21.881	22.099	0.99	0.197	0.019	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	184	23	35	273.293	-614.653	D	0.053	21.881	21.934	0.24	0.048	0.005	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	185	23	9	272.589	-616.522	D	0.003	21.881	21.884	0.01	0.002	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	186	23	3	271.855	-617.469	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	187	23	3	271.855	-617.469	D	0.017	21.881	21.898	0.08	0.015	0.001	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	188	23	9	272.589	-616.522	D	0.149	21.881	22.030	0.68	0.134	0.014	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	189	23	35	273.293	-614.653	D	0.015	21.881	21.896	0.07	0.014	0.001	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	190	23	35	273.293	-614.653	D	0.002	21.881	21.883	0.01	0.002	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	191	23	2	271.090	-617.494	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	192	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	193	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	194	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	195	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	196	23	3	271.855	-617.469	D	0.538	21.881	22.419	2.46	0.391	0.138	0.001								
0.003	0.001	0.004	0.000	3.490	2.590	3.690															
2001	197	23	67	271.705	-612.860	D	0.096	21.881	21.977	0.44	0.072	0.023	0.000								
0.000	0.000	0.001	0.000	3.490	2.590	3.690															
2001	198	23	9	272.589	-616.522	D	0.001	21.881	21.882	0.00	0.001	0.000	0.000								
0.000	0.000	0.000	0.000	3.490	2.590	3.690															
2001	199	23	3	271.855	-617.469	D	0.357	21.881	22.238	1.63	0.300	0.052	0.001								
0.002	0.001	0.002	0.000	3.490	2.590	3.690															
2001	200	23	35	273.293	-614.653	D	0.796	21.881	22.678	3.64	0.674	0.111	0.001								
0.004	0.001	0.005	0.000	3.490	2.590	3.690															
2001	201	23	3	271.855	-617.469	D	0.692	21.881	22.574	3.16	0.609	0.074	0.001								
0.003	0.001	0.004	0.000	3.490	2.590	3.690															
2001	202	23	3	271.855	-617.469	D	0.520	21.881	22.401	2.37	0.470	0.044	0.001								
0.002	0.001	0.003	0.000	3.490	2.590	3.690															
2001	203	23	18	260.302	-615.069	D	0.075	21.881	21.956	0.34	0.068	0.006	0.000								

0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	204	23	18	260.302	-615.069	D	0.108	21.881	21.990	0.49	0.097	0.009	0.000							
0.001	0.000	0.001	0.000	3.490	2.590	3.690														
2001	205	23	1	270.326	-617.519	D	0.240	21.881	22.122	1.10	0.204	0.033	0.000							
0.001	0.000	0.001	0.000	3.490	2.590	3.690														
2001	206	23	1	270.326	-617.519	D	0.254	21.881	22.135	1.16	0.199	0.052	0.000							
0.001	0.000	0.001	0.000	3.490	2.590	3.690														
2001	207	23	1	270.326	-617.519	D	0.039	21.881	21.920	0.18	0.032	0.007	0.000							
0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	208	23	9	272.589	-616.522	D	0.004	21.881	21.885	0.02	0.004	0.000	0.000							
0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	209	23	35	273.293	-614.653	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	210	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	211	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	212	23	3	271.855	-617.469	D	0.064	21.881	21.946	0.29	0.061	0.003	0.000							
0.000	0.000	0.000	0.000	3.490	2.590	3.690														
2001	213	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	214	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	215	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	216	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	217	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	218	23	1	270.326	-617.519	D	0.002	21.896	21.897	0.01	0.001	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	219	23	3	271.855	-617.469	D	0.177	21.896	22.073	0.81	0.134	0.041	0.000							
0.001	0.000	0.001	0.000	3.510	2.600	3.680														
2001	220	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	221	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	222	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	223	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	224	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	225	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	226	23	3	271.855	-617.469	D	0.028	21.896	21.923	0.13	0.027	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	227	23	35	273.293	-614.653	D	0.013	21.896	21.909	0.06	0.012	0.001	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	228	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	229	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	230	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680														
2001	231	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000							

0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	232	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	233	23	3	271.855	-617.469	D	0.113	21.896	22.009	0.52	0.102	0.010	0.000	0.000							
0.000	0.000	0.001	0.000	3.510	2.600	3.680															
2001	234	23	35	273.293	-614.653	D	0.058	21.896	21.954	0.27	0.052	0.006	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	235	23	35	273.293	-614.653	D	0.066	21.896	21.961	0.30	0.053	0.012	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	236	23	35	273.293	-614.653	D	0.064	21.896	21.960	0.29	0.049	0.014	0.000	0.000							
0.001	0.000	0.001	0.000	3.510	2.600	3.680															
2001	237	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	238	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	239	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	240	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	241	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	242	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.510	2.600	3.680															
2001	243	23	3	271.855	-617.469	D	0.085	21.896	21.981	0.39	0.071	0.013	0.000	0.000							
0.000	0.000	0.000	0.001	3.510	2.600	3.680															
2001	244	23	3	271.855	-617.469	D	0.040	22.067	22.107	0.18	0.016	0.024	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	245	23	3	271.855	-617.469	D	0.003	22.067	22.070	0.01	0.002	0.001	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	246	23	1	270.326	-617.519	D	0.020	22.067	22.088	0.09	0.017	0.004	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	247	23	3	271.855	-617.469	D	0.005	22.067	22.072	0.02	0.004	0.001	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	248	23	35	273.293	-614.653	D	0.033	22.067	22.100	0.15	0.028	0.005	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	249	23	35	273.293	-614.653	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	250	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	251	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	252	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	253	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	254	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	255	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	256	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	257	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	258	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000	0.000							
0.000	0.000	0.000	0.000	3.730	2.710	3.820															
2001	259	23	3	271.855	-617.469	D	0.183	22.067	22.250	0.83	0.145	0.036	0.000	0.000							

0.001	0.000	0.001	0.000	3.730	2.710	3.820																		
2001	260	23	35	273.293	-614.653	D	0.062	22.067	22.130	0.28	0.052	0.010	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	261	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	262	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	263	23	2	271.090	-617.494	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	264	23	1	270.326	-617.519	D	0.008	22.067	22.075	0.04	0.006	0.002	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	265	23	3	271.855	-617.469	D	0.115	22.067	22.182	0.52	0.095	0.019	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	266	23	3	271.855	-617.469	D	0.016	22.067	22.083	0.07	0.013	0.002	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	267	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	268	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	269	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	270	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	271	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	272	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	273	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.730	2.710	3.820																		
2001	274	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	275	23	9	272.589	-616.522	D	0.097	22.056	22.154	0.44	0.081	0.015	0.000											
0.001	0.000	0.001	0.000	3.720	2.690	3.760																		
2001	276	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	277	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	278	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	279	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	280	23	18	260.302	-615.069	D	0.013	22.056	22.069	0.06	0.011	0.002	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	281	23	1	270.326	-617.519	D	1.794	22.056	23.851	8.14	1.271	0.414	0.010											
0.029	0.009	0.036	0.026	3.720	2.690	3.760																		
2001	282	23	35	273.293	-614.653	D	0.638	22.056	22.694	2.89	0.441	0.162	0.003											
0.008	0.003	0.010	0.011	3.720	2.690	3.760																		
2001	283	23	1	270.326	-617.519	D	0.024	22.056	22.080	0.11	0.001	0.022	0.000											
0.000	0.000	0.000	0.001	3.720	2.690	3.760																		
2001	284	23	3	271.855	-617.469	D	0.250	22.056	22.306	1.13	0.184	0.060	0.001											
0.002	0.001	0.002	0.001	3.720	2.690	3.760																		
2001	285	23	35	273.293	-614.653	D	0.091	22.056	22.147	0.41	0.061	0.025	0.000											
0.001	0.000	0.001	0.003	3.720	2.690	3.760																		
2001	286	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000											
0.000	0.000	0.000	0.000	3.720	2.690	3.760																		
2001	287	23	3	271.855	-617.469	D	0.112	22.056	22.168	0.51	0.101	0.006	0.001											

0.002	0.000	0.002	0.000	3.720	2.690	3.760										
2001	288	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	289	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	290	23	3	271.855	-617.469	D	1.031	22.056	23.088	4.68	0.588	0.418	0.003			
0.009	0.003	0.011	0.000	3.720	2.690	3.760										
2001	291	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	292	23	35	273.293	-614.653	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	293	23	35	273.293	-614.653	D	0.033	22.056	22.089	0.15	0.019	0.013	0.000			
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	294	23	35	273.293	-614.653	D	0.021	22.056	22.078	0.10	0.011	0.009	0.000			
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	295	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	296	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	297	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	298	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	299	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	300	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	301	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	302	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	303	23	9	272.589	-616.522	D	0.410	22.056	22.467	1.86	0.260	0.140	0.001			
0.003	0.001	0.004	0.000	3.720	2.690	3.760										
2001	304	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.720	2.690	3.760										
2001	305	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	306	23	3	271.855	-617.469	D	0.142	22.027	22.169	0.65	0.103	0.036	0.000			
0.001	0.000	0.001	0.000	3.680	2.670	3.770										
2001	307	23	18	260.302	-615.069	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	308	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	309	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	310	23	1	270.326	-617.519	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	311	23	3	271.855	-617.469	D	0.028	22.027	22.055	0.13	0.021	0.007	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	312	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	313	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	314	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	315	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000	0.000		

0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	316	23	18	260.302	-615.069	D	0.144	22.027	22.171	0.65	0.093	0.048	0.000			
0.001	0.000	0.001	0.000	3.680	2.670	3.770										
2001	317	23	19	261.066	-615.046	D	1.019	22.027	23.046	4.63	0.553	0.440	0.003			
0.009	0.003	0.011	0.002	3.680	2.670	3.770										
2001	318	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	319	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	320	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	321	23	3	271.855	-617.469	D	0.218	22.027	22.245	0.99	0.151	0.063	0.001			
0.002	0.001	0.002	0.000	3.680	2.670	3.770										
2001	322	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	323	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	324	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	325	23	9	272.589	-616.522	D	1.110	22.027	23.137	5.04	0.644	0.432	0.004			
0.011	0.003	0.014	0.001	3.680	2.670	3.770										
2001	326	23	35	273.293	-614.653	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	327	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	328	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	329	23	10	265.680	-615.823	D	0.721	22.027	22.748	3.27	0.298	0.360	0.005			
0.014	0.004	0.017	0.023	3.680	2.670	3.770										
2001	330	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	331	23	2	271.090	-617.494	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	332	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	333	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	334	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.680	2.670	3.770										
2001	335	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2001	336	23	19	261.066	-615.046	D	1.412	22.185	23.597	6.37	1.125	0.250	0.004			
0.012	0.004	0.015	0.002	3.880	2.790	3.930										
2001	337	23	35	273.293	-614.653	D	0.522	22.185	22.707	2.35	0.449	0.050	0.003			
0.008	0.002	0.010	0.000	3.880	2.790	3.930										
2001	338	23	35	273.293	-614.653	D	0.003	22.185	22.188	0.01	0.002	0.000	0.000			
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2001	339	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2001	340	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2001	341	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2001	342	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	3.880	2.790	3.930										
2001	343	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000			

0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	344	23	3	271.855	-617.469	D	0.018	22.185	22.203	0.08	0.012	0.006	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	345	23	1	270.326	-617.519	D	0.098	22.185	22.283	0.44	0.030	0.055	0.000				
0.000	0.000	0.001	0.012	3.880	2.790	3.930											
2001	346	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	347	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	348	23	9	272.589	-616.522	D	0.321	22.185	22.506	1.45	0.190	0.123	0.001				
0.002	0.001	0.002	0.002	3.880	2.790	3.930											
2001	349	23	35	273.293	-614.653	D	0.090	22.185	22.275	0.41	0.051	0.029	0.000				
0.000	0.000	0.000	0.010	3.880	2.790	3.930											
2001	350	23	3	271.855	-617.469	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	351	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	352	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	353	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	354	23	18	260.302	-615.069	D	1.004	22.185	23.189	4.53	0.713	0.260	0.004				
0.010	0.003	0.013	0.001	3.880	2.790	3.930											
2001	355	23	35	273.293	-614.653	D	0.007	22.185	22.192	0.03	0.004	0.003	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	356	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	357	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	358	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	359	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	360	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	361	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	362	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											
2001	363	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000				
0.000	0.000	0.000	0.000	3.880	2.790	3.930											

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species																				
Small	Large	SSalt																			
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)
2001	281	23	1	270.326	-617.519	D	1.794	22.056	23.851	8.14	1.271	0.414	0.010	0.029	0.009	0.036	0.026	3.720	2.690	3.760	1
2001	336	23	19	261.066	-615.046	D	1.412	22.185	23.597	6.37	1.125	0.250	0.004	0.012	0.004	0.015	0.002	3.880	2.790	3.930	2
2001	325	23	9	272.589	-616.522	D	1.110	22.027	23.137	5.04	0.644	0.432	0.004	0.011	0.003	0.014	0.001	3.680	2.670	3.770	3
2001	290	23	3	271.855	-617.469	D	1.031	22.056	23.088	4.68	0.588	0.418	0.003	0.009	0.003	0.011	0.000	3.720	2.690	3.760	4

2001	317	23	19	261.066	-615.046	D	1.019	22.027	23.046	4.63	0.553	0.440	0.003
0.009	0.003	0.011	0.002	3.680	2.670	3.770	5						
2001	354	23	18	260.302	-615.069	D	1.004	22.185	23.189	4.53	0.713	0.260	0.004
0.010	0.003	0.013	0.001	3.880	2.790	3.930	6						
2001	43	23	18	260.302	-615.069	D	0.935	21.835	22.770	4.28	0.682	0.233	0.002
0.005	0.001	0.006	0.006	3.440	2.530	3.520	7						
2001	200	23	35	273.293	-614.653	D	0.796	21.881	22.678	3.64	0.674	0.111	0.001
0.004	0.001	0.005	0.000	3.490	2.590	3.690	8						
2001	155	23	35	273.293	-614.653	D	0.766	22.055	22.822	3.47	0.563	0.180	0.002
0.007	0.002	0.008	0.005	3.710	2.710	3.880	9						
2001	329	23	10	265.680	-615.823	D	0.721	22.027	22.748	3.27	0.298	0.360	0.005
0.014	0.004	0.017	0.023	3.680	2.670	3.770	10						
2001	201	23	3	271.855	-617.469	D	0.692	21.881	22.574	3.16	0.609	0.074	0.001
0.003	0.001	0.004	0.000	3.490	2.590	3.690	11						
2001	282	23	35	273.293	-614.653	D	0.638	22.056	22.694	2.89	0.441	0.162	0.003
0.008	0.003	0.010	0.011	3.720	2.690	3.760	12						
2001	69	23	35	273.293	-614.653	D	0.552	21.600	22.152	2.55	0.332	0.201	0.002
0.006	0.002	0.008	0.000	3.140	2.370	3.310	13						
2001	196	23	3	271.855	-617.469	D	0.538	21.881	22.419	2.46	0.391	0.138	0.001
0.003	0.001	0.004	0.000	3.490	2.590	3.690	14						
2001	51	23	1	270.326	-617.519	D	0.536	21.835	22.371	2.45	0.369	0.155	0.001
0.004	0.001	0.004	0.001	3.440	2.530	3.520	15						
2001	202	23	3	271.855	-617.469	D	0.520	21.881	22.401	2.37	0.470	0.044	0.001
0.002	0.001	0.003	0.000	3.490	2.590	3.690	16						
2001	337	23	35	273.293	-614.653	D	0.522	22.185	22.707	2.35	0.449	0.050	0.003
0.008	0.002	0.010	0.000	3.880	2.790	3.930	17						
2001	119	23	3	271.855	-617.469	D	0.500	21.680	22.179	2.30	0.365	0.122	0.001
0.004	0.001	0.005	0.000	3.240	2.430	3.410	18						
2001	177	23	35	273.293	-614.653	D	0.504	22.055	22.560	2.29	0.398	0.099	0.001
0.003	0.001	0.003	0.000	3.710	2.710	3.880	19						
2001	176	23	18	260.302	-615.069	D	0.491	22.055	22.546	2.23	0.402	0.081	0.001
0.003	0.001	0.003	0.000	3.710	2.710	3.880	20						
2001	303	23	9	272.589	-616.522	D	0.410	22.056	22.467	1.86	0.260	0.140	0.001
0.003	0.001	0.004	0.000	3.720	2.690	3.760	21						
2001	44	23	35	273.293	-614.653	D	0.360	21.835	22.195	1.65	0.273	0.080	0.001
0.002	0.001	0.002	0.001	3.440	2.530	3.520	22						

--- Number of days with Extinction Change => 5.0 % : 3

--- Number of days with Extinction Change => 10.0 % : 0

--- Largest Extinction Change = 8.14 %

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CALPOST Version 6.221 Level 080724

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Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

1 270.326 -617.519 D 0.066 21.955 22.021 0.30

--- Number of recs with Extinction Change > 1.0 % : 0

--- Largest Extinction Change = 0.30 %

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CALPOST Version 6.221 Level 080724

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## 24HR VISIBILITY

### VISIB BOESNCFG

(deciview)

#### START TIME

#### % of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2000	366	23	1	270.326 -617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.880	2.790	3.930	
2001	123	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	223	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	323	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	423	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	523	9	272.589 -616.522	D	8.048	7.957	0.091	57.82	39.24	0.34	1.01	0.31	1.27	0.02	3.850	2.770	3.900	
2001	623	35	273.293 -614.653	D	7.970	7.957	0.013	56.24	41.11	0.31	0.91	0.28	1.15	0.01	3.850	2.770	3.900	
2001	723	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	823	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	923	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	1023	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	1123	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900		
2001	1223	18	260.302 -615.069	D	8.091	7.957	0.133	69.06	26.93	0.23	0.67	0.20	0.84	2.07	3.850	2.770	3.900	
2001	1323	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00					

0.00	0.00	3.850	2.770	3.900															
2001	14 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	15 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	16 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	17 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	18 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	19 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	20 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	21 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	22 23	3	271.855	-617.469	D	7.959	7.957	0.002	71.94	26.81	0.15	0.44	0.13						
0.55	0.00	3.850	2.770	3.900															
2001	23 23	2	271.090	-617.494	D	7.957	7.957	0.000	74.11	24.91	0.00	0.43	0.13						
0.54	0.00	3.850	2.770	3.900															
2001	24 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	25 23	9	272.589	-616.522	D	7.999	7.957	0.042	47.11	49.58	0.37	1.11	0.33						
1.39	0.11	3.850	2.770	3.900															
2001	26 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	27 23	18	260.302	-615.069	D	8.087	7.957	0.129	69.37	25.50	0.46	1.36	0.41						
1.71	1.19	3.850	2.770	3.900															
2001	28 23	67	271.705	-612.860	D	7.977	7.957	0.019	46.03	42.33	0.73	2.16	0.65						
2.70	5.40	3.850	2.770	3.900															
2001	29 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	30 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	31 23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.850	2.770	3.900															
2001	32 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	33 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	34 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	35 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	36 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	37 23	35	273.293	-614.653	D	7.810	7.809	0.001	65.71	27.24	0.75	2.24	0.68						
2.81	0.61	3.440	2.530	3.520															
2001	38 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	39 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	40 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520															
2001	41 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

0.00	0.00	3.440	2.530	3.520																		
2001	42 23	1	270.326	-617.519	D	7.866	7.809	0.057	71.84	26.63	0.07	0.21	0.06									
0.26	0.91	3.440	2.530	3.520																		
2001	43 23	18	260.302	-615.069	D	8.228	7.809	0.419	72.96	24.93	0.17	0.49	0.15									
0.62	0.68	3.440	2.530	3.520																		
2001	44 23	35	273.293	-614.653	D	7.973	7.809	0.164	75.77	22.33	0.19	0.55	0.17									
0.69	0.31	3.440	2.530	3.520																		
2001	45 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.440	2.530	3.520																		
2001	46 23	1	270.326	-617.519	D	7.809	7.809	0.000	4.69	56.64	0.00	0.00	0.00									
0.00	38.21	3.440	2.530	3.520																		
2001	47 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.440	2.530	3.520																		
2001	48 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.440	2.530	3.520																		
2001	49 23	9	272.589	-616.522	D	7.865	7.809	0.055	60.08	37.23	0.31	0.93	0.28									
1.16	0.01	3.440	2.530	3.520																		
2001	50 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.440	2.530	3.520																		
2001	51 23	1	270.326	-617.519	D	8.052	7.809	0.242	68.90	28.99	0.22	0.67	0.20									
0.83	0.18	3.440	2.530	3.520																		
2001	52 23	3	271.855	-617.469	D	7.842	7.809	0.033	68.48	29.80	0.19	0.56	0.17									
0.70	0.09	3.440	2.530	3.520																		
2001	53 23	3	271.855	-617.469	D	7.821	7.809	0.012	79.53	19.23	0.14	0.43	0.13									
0.53	0.00	3.440	2.530	3.520																		
2001	54 23	35	273.293	-614.653	D	7.840	7.809	0.031	35.32	52.83	0.83	2.47	0.75									
3.09	4.71	3.440	2.530	3.520																		
2001	55 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.440	2.530	3.520																		
2001	56 23	1	270.326	-617.519	D	7.809	7.809	0.000	66.67	28.12	0.00	0.60	0.18									
0.76	0.04	3.440	2.530	3.520																		
2001	57 23	2	271.090	-617.494	D	7.809	7.809	0.000	70.37	27.16	0.22	0.32	0.10									
0.40	1.24	3.440	2.530	3.520																		
2001	58 23	1	270.326	-617.519	D	7.809	7.809	0.000	81.25	24.38	0.00	0.00	0.00									
0.00	2.75	3.440	2.530	3.520																		
2001	59 23	3	271.855	-617.469	D	7.809	7.809	0.000	32.23	64.47	0.00	0.00	0.00									
0.00	3.20	3.440	2.530	3.520																		
2001	60 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.140	2.370	3.310																		
2001	61 23	1	270.326	-617.519	D	7.701	7.701	0.000	6.25	118.75	0.00	0.00	0.00									
0.00	3.55	3.140	2.370	3.310																		
2001	62 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.140	2.370	3.310																		
2001	63 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.140	2.370	3.310																		
2001	64 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.140	2.370	3.310																		
2001	65 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00									
0.00	0.00	3.140	2.370	3.310																		
2001	66 23	3	271.855	-617.469	D	7.719	7.701	0.018	85.52	12.51	0.23	0.68	0.21									
0.85	0.00	3.140	2.370	3.310																		
2001	67 23	1	270.326	-617.519	D	7.701	7.701	0.000	70.23	29.44	0.00	0.53	0.16									
0.66	0.00	3.140	2.370	3.310																		
2001	68 23	18	260.302	-615.069	D	7.706	7.701	0.005	63.57	33.51	0.34	1.01	0.31									
1.27	0.00	3.140	2.370	3.310																		
2001	69 23	35	273.293	-614.653	D	7.953	7.701	0.252	60.16	36.50	0.39	1.15	0.35									

1.43	0.03	3.140	2.370	3.310																									
2001	70	23	18	260.302	-615.069	D	7.703	7.701	0.002	19.44	65.13	0.10	0.26	0.08															
0.33	14.67	3.140	2.370	3.310																									
2001	71	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	72	23	35	273.293	-614.653	D	7.703	7.701	0.002	74.77	23.21	0.23	0.70	0.21															
0.88	0.00	3.140	2.370	3.310																									
2001	73	23	3	271.855	-617.469	D	7.753	7.701	0.052	38.42	58.75	0.13	0.38	0.11															
0.48	1.73	3.140	2.370	3.310																									
2001	74	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	75	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	76	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	77	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	78	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	79	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	80	23	35	273.293	-614.653	D	7.707	7.701	0.006	81.28	15.68	0.36	1.05	0.32															
1.31	0.00	3.140	2.370	3.310																									
2001	81	23	35	273.293	-614.653	D	7.759	7.701	0.058	81.06	16.21	0.32	0.94	0.29															
1.18	0.00	3.140	2.370	3.310																									
2001	82	23	35	273.293	-614.653	D	7.724	7.701	0.023	73.53	24.30	0.25	0.75	0.23															
0.94	0.00	3.140	2.370	3.310																									
2001	83	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	84	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	85	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	86	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	87	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	88	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	89	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.140	2.370	3.310																									
2001	90	23	3	271.855	-617.469	D	7.701	7.701	0.000	85.60	10.86	0.37	1.29	0.39															
1.62	0.00	3.140	2.370	3.310																									
2001	91	23	35	273.293	-614.653	D	7.739	7.738	0.001	85.36	11.13	0.42	1.23	0.37															
1.54	0.00	3.240	2.430	3.410																									
2001	92	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.240	2.430	3.410																									
2001	93	23	35	273.293	-614.653	D	7.739	7.738	0.001	92.06	5.13	0.34	0.93	0.28															
1.17	0.10	3.240	2.430	3.410																									
2001	94	23	35	273.293	-614.653	D	7.744	7.738	0.006	72.13	24.09	0.37	1.11	0.34															
1.39	0.56	3.240	2.430	3.410																									
2001	95	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.240	2.430	3.410																									
2001	96	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00														
0.00	0.00	3.240	2.430	3.410																									
2001	97	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00														

0.00	0.00	3.240	2.430	3.410																
2001	98	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	99	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	100	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	101	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	102	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	103	23	18	260.302	-615.069	D	7.778	7.738	0.040	60.44	37.20	0.04	0.12	0.04						
0.15	2.01	3.240	2.430	3.410																
2001	104	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	105	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	108	23	9	272.589	-616.522	D	7.738	7.738	0.000	77.78	14.58	0.00	0.96	0.29						
1.20	0.00	3.240	2.430	3.410																
2001	109	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	110	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	111	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	112	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	113	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	114	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	115	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	116	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.240	2.430	3.410																
2001	117	23	1	270.326	-617.519	D	7.754	7.738	0.016	95.11	3.15	0.20	0.60	0.18						
0.75	0.00	3.240	2.430	3.410																
2001	118	23	18	260.302	-615.069	D	7.794	7.738	0.056	77.23	20.94	0.21	0.64	0.19						
0.80	0.00	3.240	2.430	3.410																
2001	119	23	3	271.855	-617.469	D	7.966	7.738	0.228	73.08	24.40	0.29	0.87	0.26						
1.09	0.01	3.240	2.430	3.410																
2001	120	23	67	271.705	-612.860	D	7.765	7.738	0.027	92.75	2.98	0.50	1.48	0.45						
1.85	0.00	3.240	2.430	3.410																
2001	121	23	35	273.293	-614.653	D	7.896	7.892	0.005	93.04	3.20	0.44	1.30	0.39						
1.63	0.00	3.660	2.680	3.830																
2001	122	23	35	273.293	-614.653	D	7.952	7.892	0.061	91.12	4.93	0.46	1.36	0.41						
1.70	0.03	3.660	2.680	3.830																
2001	123	23	18	260.302	-615.069	D	8.007	7.892	0.115	60.12	35.39	0.48	1.41	0.43						
1.77	0.40	3.660	2.680	3.830																
2001	124	23	35	273.293	-614.653	D	7.909	7.892	0.017	42.20	53.84	0.44	1.31	0.39						
1.63	0.18	3.660	2.680	3.830																
2001	125	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00						

0.00	0.00	3.660	2.680	3.830										
2001	126	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	127	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	128	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	129	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	130	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	131	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	132	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	133	23	3	271.855	-617.469	D	7.892	7.892	0.000	77.99	20.79	0.13	0.40	0.12
0.50	0.00	3.660	2.680	3.830										
2001	134	23	3	271.855	-617.469	D	7.903	7.892	0.012	80.14	19.05	0.09	0.28	0.08
0.35	0.00	3.660	2.680	3.830										
2001	135	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	136	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	137	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	138	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	139	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	140	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	141	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	142	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	143	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	144	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	145	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	146	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	147	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	148	23	3	271.855	-617.469	D	7.912	7.892	0.021	89.29	9.91	0.09	0.27	0.08
0.34	0.00	3.660	2.680	3.830										
2001	149	23	35	273.293	-614.653	D	7.895	7.892	0.003	84.73	13.24	0.23	0.70	0.21
0.87	0.01	3.660	2.680	3.830										
2001	150	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	151	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	152	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	153	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.710	2.710	3.880																						
2001	154	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
0.00	0.00	3.710	2.710	3.880																						
2001	155	23	35	273.293	-614.653	D	8.251	7.910	0.342	73.43	23.44	0.29	0.86	0.26												
1.08	0.64	3.710	2.710	3.880																						
2001	156	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	157	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	158	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	159	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	160	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	161	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	162	23	3	271.855	-617.469	D	8.057	7.910	0.148	91.11	6.60	0.27	0.79	0.24												
0.99	0.00	3.710	2.710	3.880																						
2001	163	23	35	273.293	-614.653	D	8.019	7.910	0.109	78.52	19.81	0.20	0.58	0.17												
0.72	0.00	3.710	2.710	3.880																						
2001	164	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	166	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	167	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	168	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	169	23	18	260.302	-615.069	D	8.044	7.910	0.135	81.70	16.35	0.23	0.67	0.20												
0.84	0.00	3.710	2.710	3.880																						
2001	170	23	36	260.273	-614.148	D	7.940	7.910	0.030	73.30	25.10	0.19	0.55	0.17												
0.69	0.00	3.710	2.710	3.880																						
2001	171	23	3	271.855	-617.469	D	7.910	7.910	0.001	85.39	13.57	0.10	0.37	0.11												
0.47	0.00	3.710	2.710	3.880																						
2001	172	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	173	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	174	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	175	23	18	260.302	-615.069	D	7.915	7.910	0.006	76.89	21.70	0.17	0.49	0.15												
0.61	0.00	3.710	2.710	3.880																						
2001	176	23	18	260.302	-615.069	D	8.130	7.910	0.220	81.95	16.41	0.19	0.57	0.17												
0.71	0.00	3.710	2.710	3.880																						
2001	177	23	35	273.293	-614.653	D	8.136	7.910	0.226	78.90	19.66	0.17	0.50	0.15												
0.62	0.00	3.710	2.710	3.880																						
2001	178	23	35	273.293	-614.653	D	7.919	7.910	0.009	74.70	23.99	0.15	0.45	0.14												
0.57	0.00	3.710	2.710	3.880																						
2001	179	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	180	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
0.00	0.00	3.710	2.710	3.880																						
2001	181	23	3	271.855	-617.469	D	7.915	7.910	0.006	48.29	51.56	0.02	0.05	0.01												

0.06	0.01	3.710	2.710	3.880															
2001	182	23	3	271.855	-617.469	D	7.911	7.830	0.081	79.40	20.20	0.05	0.14	0.04					
0.17	0.00	3.490	2.590	3.690															
2001	183	23	3	271.855	-617.469	D	7.929	7.830	0.099	90.74	8.87	0.05	0.13	0.04					
0.17	0.00	3.490	2.590	3.690															
2001	184	23	35	273.293	-614.653	D	7.855	7.830	0.024	90.97	8.65	0.04	0.13	0.04					
0.17	0.00	3.490	2.590	3.690															
2001	185	23	9	272.589	-616.522	D	7.832	7.830	0.001	95.37	4.35	0.02	0.10	0.03					
0.12	0.00	3.490	2.590	3.690															
2001	186	23	3	271.855	-617.469	D	7.831	7.830	0.000	91.39	8.61	0.00	0.08	0.02					
0.10	0.00	3.490	2.590	3.690															
2001	187	23	3	271.855	-617.469	D	7.838	7.830	0.008	90.76	8.76	0.05	0.16	0.05					
0.20	0.00	3.490	2.590	3.690															
2001	188	23	9	272.589	-616.522	D	7.898	7.830	0.068	89.91	9.47	0.07	0.21	0.06					
0.27	0.00	3.490	2.590	3.690															
2001	189	23	35	273.293	-614.653	D	7.837	7.830	0.007	95.97	3.77	0.03	0.09	0.03					
0.11	0.00	3.490	2.590	3.690															
2001	190	23	35	273.293	-614.653	D	7.831	7.830	0.001	95.98	3.82	0.03	0.08	0.02					
0.09	0.00	3.490	2.590	3.690															
2001	191	23	2	271.090	-617.494	D	7.831	7.830	0.000	97.01	2.15	0.00	0.06	0.02					
0.07	0.00	3.490	2.590	3.690															
2001	192	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.490	2.590	3.690															
2001	193	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.490	2.590	3.690															
2001	194	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.490	2.590	3.690															
2001	195	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.490	2.590	3.690															
2001	196	23	3	271.855	-617.469	D	8.073	7.830	0.243	72.64	25.66	0.20	0.59	0.18					
0.73	0.00	3.490	2.590	3.690															
2001	197	23	67	271.705	-612.860	D	7.874	7.830	0.044	74.48	24.10	0.17	0.49	0.15					
0.61	0.00	3.490	2.590	3.690															
2001	198	23	9	272.589	-616.522	D	7.831	7.830	0.000	86.28	11.77	0.22	0.68	0.21					
0.85	0.00	3.490	2.590	3.690															
2001	199	23	3	271.855	-617.469	D	7.992	7.830	0.162	84.02	14.47	0.18	0.52	0.16					
0.65	0.00	3.490	2.590	3.690															
2001	200	23	35	273.293	-614.653	D	8.188	7.830	0.357	84.68	13.93	0.16	0.48	0.15					
0.60	0.00	3.490	2.590	3.690															
2001	201	23	3	271.855	-617.469	D	8.142	7.830	0.311	87.90	10.76	0.16	0.47	0.14					
0.58	0.00	3.490	2.590	3.690															
2001	202	23	3	271.855	-617.469	D	8.065	7.830	0.235	90.39	8.46	0.13	0.40	0.12					
0.50	0.00	3.490	2.590	3.690															
2001	203	23	18	260.302	-615.069	D	7.865	7.830	0.034	91.20	7.76	0.12	0.36	0.11					
0.45	0.00	3.490	2.590	3.690															
2001	204	23	18	260.302	-615.069	D	7.880	7.830	0.049	89.75	8.46	0.21	0.62	0.19					
0.77	0.00	3.490	2.590	3.690															
2001	205	23	1	270.326	-617.519	D	7.940	7.830	0.109	85.00	13.56	0.17	0.50	0.15					
0.62	0.00	3.490	2.590	3.690															
2001	206	23	1	270.326	-617.519	D	7.946	7.830	0.115	78.47	20.30	0.14	0.42	0.13					
0.53	0.00	3.490	2.590	3.690															
2001	207	23	1	270.326	-617.519	D	7.848	7.830	0.018	81.32	17.65	0.12	0.36	0.11					
0.45	0.00	3.490	2.590	3.690															
2001	208	23	9	272.589	-616.522	D	7.832	7.830	0.002	89.94	9.59	0.05	0.16	0.05					
0.20	0.01	3.490	2.590	3.690															
2001	209	23	35	273.293	-614.653	D	7.831	7.830	0.000	97.41	0.65	0.00	0.11	0.03					

0.14	0.00	3.490	2.590	3.690																		
2001	210	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.490	2.590	3.690																		
2001	211	23	1	270.326	-617.519	D	7.830	7.830	0.000	91.41	5.66	0.00	0.04	0.01								
0.05	0.01	3.490	2.590	3.690																		
2001	212	23	3	271.855	-617.469	D	7.860	7.830	0.029	94.54	4.40	0.12	0.37	0.11								
0.46	0.00	3.490	2.590	3.690																		
2001	213	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	214	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	215	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	216	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	217	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	218	23	1	270.326	-617.519	D	7.838	7.837	0.001	83.44	14.65	0.22	0.64	0.19								
0.81	0.00	3.510	2.600	3.680																		
2001	219	23	3	271.855	-617.469	D	7.918	7.837	0.080	75.52	22.98	0.17	0.52	0.16								
0.65	0.00	3.510	2.600	3.680																		
2001	220	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	221	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	222	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	223	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	224	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	225	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.510	2.600	3.680																		
2001	226	23	3	271.855	-617.469	D	7.850	7.837	0.013	95.99	1.67	0.27	0.81	0.24								
1.01	0.00	3.510	2.600	3.680																		
2001	227	23	35	273.293	-614.653	D	7.843	7.837	0.006	89.00	9.01	0.23	0.69	0.21								
0.86	0.00	3.510	2.600	3.680																		
2001	228	23	1	270.326	-617.519	D	7.837	7.837	0.000	97.50	0.62	0.00	0.00	0.00								
0.00	0.00	3.510	2.600	3.680																		
2001	229	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00								
0.00	0.00	3.510	2.600	3.680																		
2001	230	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00								
0.00	0.00	3.510	2.600	3.680																		
2001	231	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00								
0.00	0.00	3.510	2.600	3.680																		
2001	232	23	1	270.326	-617.519	D	7.837	7.837	0.000	82.50	15.52	0.00	0.16	0.05								
0.21	0.00	3.510	2.600	3.680																		
2001	233	23	3	271.855	-617.469	D	7.889	7.837	0.052	89.86	9.03	0.13	0.39	0.12								
0.48	0.00	3.510	2.600	3.680																		
2001	234	23	35	273.293	-614.653	D	7.864	7.837	0.027	88.76	10.18	0.12	0.37	0.11								
0.46	0.00	3.510	2.600	3.680																		
2001	235	23	35	273.293	-614.653	D	7.867	7.837	0.030	80.44	17.93	0.19	0.56	0.17								
0.70	0.00	3.510	2.600	3.680																		
2001	236	23	35	273.293	-614.653	D	7.866	7.837	0.029	76.23	21.43	0.27	0.81	0.24								
1.01	0.00	3.510	2.600	3.680																		
2001	237	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00								

0.00	0.00	3.510	2.600	3.680															
2001	238	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680															
2001	239	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680															
2001	240	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680															
2001	241	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680															
2001	242	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.510	2.600	3.680															
2001	243	23	3	271.855	-617.469	D	7.876	7.837	0.039	83.45	15.04	0.01	0.03	0.01					
0.04	1.41	3.510	2.600	3.680															
2001	244	23	3	271.855	-617.469	D	7.933	7.915	0.018	39.18	59.76	0.01	0.02	0.01					
0.02	1.00	3.730	2.710	3.820															
2001	245	23	3	271.855	-617.469	D	7.916	7.915	0.001	68.54	31.28	0.02	0.05	0.02					
0.07	0.01	3.730	2.710	3.820															
2001	246	23	1	270.326	-617.519	D	7.924	7.915	0.009	81.56	18.16	0.03	0.09	0.03					
0.12	0.00	3.730	2.710	3.820															
2001	247	23	3	271.855	-617.469	D	7.917	7.915	0.002	76.58	23.12	0.03	0.10	0.03					
0.12	0.02	3.730	2.710	3.820															
2001	248	23	35	273.293	-614.653	D	7.930	7.915	0.015	83.89	15.52	0.07	0.20	0.06					
0.25	0.00	3.730	2.710	3.820															
2001	249	23	35	273.293	-614.653	D	7.915	7.915	0.000	77.25	22.34	0.00	0.01	0.00					
0.01	0.00	3.730	2.710	3.820															
2001	250	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	251	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	252	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	253	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	254	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	255	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	256	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	257	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	258	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	259	23	3	271.855	-617.469	D	7.998	7.915	0.083	78.84	19.83	0.15	0.46	0.14					
0.57	0.00	3.730	2.710	3.820															
2001	260	23	35	273.293	-614.653	D	7.943	7.915	0.028	82.82	15.82	0.16	0.47	0.14					
0.59	0.00	3.730	2.710	3.820															
2001	261	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	262	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.730	2.710	3.820															
2001	263	23	2	271.090	-617.494	D	7.915	7.915	0.000	60.18	40.89	0.00	0.03	0.01					
0.03	0.03	3.730	2.710	3.820															
2001	264	23	1	270.326	-617.519	D	7.919	7.915	0.004	72.85	26.81	0.04	0.11	0.03					
0.14	0.01	3.730	2.710	3.820															
2001	265	23	3	271.855	-617.469	D	7.967	7.915	0.052	82.53	16.97	0.06	0.17	0.05					

0.21	0.02	3.730	2.710	3.820																
2001	266	23	3	271.855	-617.469	D	7.922	7.915	0.007	86.14	13.40	0.05	0.16	0.05						
0.20	0.01	3.730	2.710	3.820																
2001	267	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	268	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	269	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	271	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	272	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	273	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820																
2001	274	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	275	23	9	272.589	-616.522	D	7.954	7.910	0.044	82.78	15.56	0.19	0.58	0.17						
0.72	0.00	3.720	2.690	3.760																
2001	276	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	277	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	278	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	279	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	280	23	18	260.302	-615.069	D	7.916	7.910	0.006	83.67	13.66	0.31	0.92	0.28						
1.15	0.00	3.720	2.690	3.760																
2001	281	23	1	270.326	-617.519	D	8.692	7.910	0.782	70.82	23.08	0.55	1.61	0.49						
2.02	1.44	3.720	2.690	3.760																
2001	282	23	35	273.293	-614.653	D	8.195	7.910	0.285	69.07	25.36	0.44	1.31	0.39						
1.64	1.79	3.720	2.690	3.760																
2001	283	23	1	270.326	-617.519	D	7.921	7.910	0.011	2.67	91.30	0.00	0.01	0.00						
0.01	6.01	3.720	2.690	3.760																
2001	284	23	3	271.855	-617.469	D	8.023	7.910	0.113	73.67	23.95	0.25	0.73	0.22						
0.91	0.27	3.720	2.690	3.760																
2001	285	23	35	273.293	-614.653	D	7.951	7.910	0.041	67.30	27.60	0.23	0.68	0.20						
0.85	3.14	3.720	2.690	3.760																
2001	286	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	287	23	3	271.855	-617.469	D	7.961	7.910	0.051	90.51	5.14	0.48	1.43	0.43						
1.79	0.21	3.720	2.690	3.760																
2001	288	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	289	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	290	23	3	271.855	-617.469	D	8.367	7.910	0.457	56.98	40.48	0.29	0.87	0.26						
1.09	0.02	3.720	2.690	3.760																
2001	291	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760																
2001	292	23	35	273.293	-614.653	D	7.910	7.910	0.000	78.49	20.35	0.00	0.54	0.16						
0.67	0.00	3.720	2.690	3.760																
2001	293	23	35	273.293	-614.653	D	7.925	7.910	0.015	59.54	38.46	0.23	0.69	0.21						



0.95	0.00	3.680	2.670	3.770																
2001	322	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	323	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	324	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	325	23	9	272.589	-616.522	D	8.389	7.897	0.492	58.04	38.92	0.35	1.03	0.31	1.29	0.07	3.680	2.670	3.770	
3.68	5.44	3.680	2.670	3.770																
2001	326	23	35	273.293	-614.653	D	7.897	7.897	0.001	53.31	32.77	1.02	2.94	0.89	0.00	0.00	3.680	2.670	3.770	
0.00	0.00	3.680	2.670	3.770																
2001	327	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	328	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	329	23	10	265.680	-615.823	D	8.219	7.897	0.322	41.36	49.85	0.65	1.92	0.58	2.41	3.23	3.680	2.670	3.770	
0.00	20.62	3.680	2.670	3.770																
2001	330	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	331	23	2	271.090	-617.494	D	7.897	7.897	0.000	3.92	75.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770																
2001	332	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	93.75	0.00	0.00	0.00	0.00	4.10	3.680	2.670	3.770	
0.00	0.00	3.680	2.670	3.770																
2001	333	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	334	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.680	2.670	3.770																
2001	335	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930																
2001	336	23	19	261.066	-615.046	D	8.585	7.968	0.617	79.63	17.69	0.29	0.87	0.26	1.09	0.16	3.880	2.790	3.930	
1.92	0.06	3.880	2.790	3.930																
2001	337	23	35	273.293	-614.653	D	8.201	7.968	0.232	86.01	9.51	0.52	1.53	0.46	2.53	0.43	3.880	2.790	3.930	
0.00	0.00	3.880	2.790	3.930																
2001	338	23	35	273.293	-614.653	D	7.970	7.968	0.001	78.66	15.04	0.68	2.02	0.61	2.00	0.00	3.880	2.790	3.930	
0.00	0.00	3.880	2.790	3.930																
2001	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930																
2001	340	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930																
2001	341	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930																
2001	342	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.61	1.65	3.880	2.790	3.930																
2001	345	23	1	270.326	-617.519	D	8.012	7.968	0.044	30.16	56.40	0.17	0.49	0.15	0.61	12.03	3.880	2.790	3.930	
0.00	0.00	3.880	2.790	3.930																
2001	346	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930																
2001	347	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.880	2.790	3.930																
2001	348	23	9	272.589	-616.522	D	8.112	7.968	0.144	59.38	38.19	0.21	0.61	0.18	0.77	0.66	3.880	2.790	3.930	
2001	349	23	35	273.293	-614.653	D	8.009	7.968	0.041	56.41	32.38	0.08	0.23	0.07						

### --- Ranked Daily Visibility Change ---

2001	201	23	3	271.855	-617.469	D	8.142	7.830	0.311	87.90	10.76	0.16	0.47	0.14
0.58	0.00	3.490	2.590	3.690	11									
2001	282	23	35	273.293	-614.653	D	8.195	7.910	0.285	69.07	25.36	0.44	1.31	0.39
1.64	1.79	3.720	2.690	3.760	12									
2001	69	23	35	273.293	-614.653	D	7.953	7.701	0.252	60.16	36.50	0.39	1.15	0.35
1.43	0.03	3.140	2.370	3.310	13									
2001	196	23	3	271.855	-617.469	D	8.073	7.830	0.243	72.64	25.66	0.20	0.59	0.18
0.73	0.00	3.490	2.590	3.690	14									
2001	51	23	1	270.326	-617.519	D	8.052	7.809	0.242	68.90	28.99	0.22	0.67	0.20
0.83	0.18	3.440	2.530	3.520	15									
2001	202	23	3	271.855	-617.469	D	8.065	7.830	0.235	90.39	8.46	0.13	0.40	0.12
0.50	0.00	3.490	2.590	3.690	16									
2001	337	23	35	273.293	-614.653	D	8.201	7.968	0.232	86.01	9.51	0.52	1.53	0.46
1.92	0.06	3.880	2.790	3.930	17									
2001	119	23	3	271.855	-617.469	D	7.966	7.738	0.228	73.08	24.40	0.29	0.87	0.26
1.09	0.01	3.240	2.430	3.410	18									
2001	177	23	35	273.293	-614.653	D	8.136	7.910	0.226	78.90	19.66	0.17	0.50	0.15
0.62	0.00	3.710	2.710	3.880	19									
2001	176	23	18	260.302	-615.069	D	8.130	7.910	0.220	81.95	16.41	0.19	0.57	0.17
0.71	0.00	3.710	2.710	3.880	20									
2001	303	23	9	272.589	-616.522	D	8.094	7.910	0.184	63.46	34.21	0.27	0.80	0.24
1.00	0.03	3.720	2.690	3.760	21									
2001	44	23	35	273.293	-614.653	D	7.973	7.809	0.164	75.77	22.33	0.19	0.55	0.17
0.69	0.31	3.440	2.530	3.520	22									

--- Number of days with Delta-Deciview => 0.50: 2  
 --- Number of days with Delta-Deciview => 1.00: 0  
 --- Largest Delta-Deciview = 0.782

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CALPOST Version 6.221      Level 080724  
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### Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV
1	270.326 -617.519	D	7.894	7.864	0.030

--- Number of recs with Delta-Deciview > 0.10: 0  
 --- Largest Delta-Deciview = 0.030